

Staff Report

TO: Board of Directors

FROM: Chip Close, Director of Water Operations
Shad Chittock, Treated Water Superintendent

DATE: April 24, 2024

**SUBJECT: Filter Media Replacement – E. George Water Treatment Plant
(Consent)**

WATER OPERATIONS

RECOMMENDATION:

Award the Filter Media Replacement Project at the E. George Water Treatment Plant to ERS Industrial Services, Inc. in the amount of \$187,830.00, and authorize the General Manager to execute the appropriate documents.

BACKGROUND:

All Nevada Irrigation District Water treatment plants are equipped with water filtration media designed to capture particles and pollutants to ensure the delivery of safe, high-quality drinking water. Over time, this filtration media gradually loses its efficiency and effectiveness, necessitating periodic removal and replacement. NID staff regularly collect grab samples of this media for analysis by third-party laboratories to assess its condition and determine when replacement is necessary. This process is integral to our operations and maintenance budget planning.

Based on last year's findings, the Operations Department allocated funds in the 2024 Budget for the repair and replacement of filter media at the E. George Water Treatment Plant. This allocation plays a crucial role in ensuring the ongoing efficiency and effectiveness of the plant's water filtration system.

The E. George Water Treatment Plant operates with eight (8) 360-foot gravity filters. Currently, four (4) of these filters are due for media replacement. This process entails removing the existing media and sand from the filters using a large vacuum truck and replacing it with new media in accordance with the plant's design specifications. In March, NID's maintenance team performed the media removal, resulting in a substantial savings in labor costs for the replacement

project. The next phase involves the installation of filter media using specialized crane equipment, which can only be provided by a third-party vendor.

BUDGETARY IMPACT:

The Operations Department solicited proposals from three (3) vendors for the project. Two (2) vendors submitted proposals. After a thorough review of each proposal, Staff selected ERS Industrial Services, Inc. for the project.

ERS Industrial Services, Inc. was selected over Kleen Industrial Services, despite their higher bid. The reason for this decision was that Kleen’s proposal did not include installation as part of their services. ERS’ proposal was the only bid to offer turnkey service, and therefore, was selected for the project. (See results below)

| Filter Media Supply and Installation – E. George Water Treatment Plant | |
|-------------------------------------------------------------------------------|-------------------------------|
| Vendor | Total Proposal Amount: |
| ERS Industrial Services, Inc. | \$187,830.00 |
| Kleen Industrial Services | \$104,220.76 |
| Misco Water | Declined project |

The Operations Department allocated \$191,000 in the 2024 budget under Equipment Maintenance (10171-52503) for filter repair and media replacement. The total proposal from ERS Industrial Services, Inc. was \$187,830.00, which is \$3,170.00 less than the allocated budget.

Attachments: none